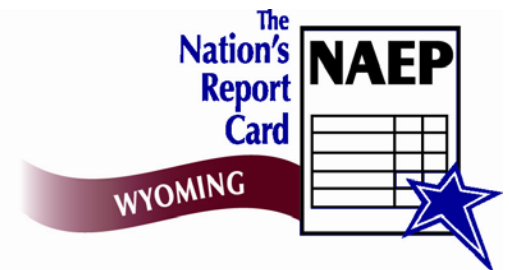
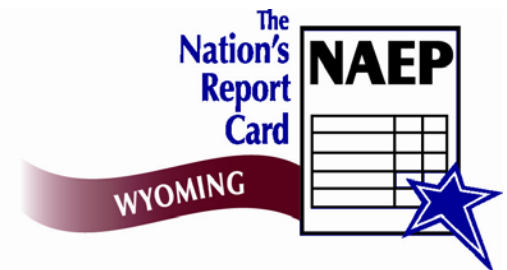


The National Assessment of Educational Progress in Wyoming: Mathematics and Reading Results, 2007



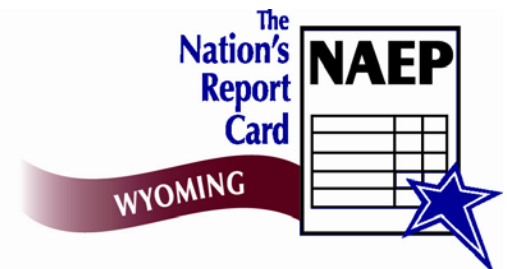
Overview

- Pass handouts, describe NAEP metrics
- Results by content area and grade
 - Mathematics, grades 4 & 8
 - Reading, grades 4 & 8
- Gaps between student groups
- Comparing NAEP results to PAWS
- Closing remarks
- Questions



Handouts, NAEP Metrics

- Handouts
 - Mathematics is green; Reading is blue
 - State comparison charts, 1-page Snapshots
- NAEP metrics
 - Scale scores and
 - Achievement levels, percentage of students
- NAEP sampling procedures
 - Statistical significance = reliable difference



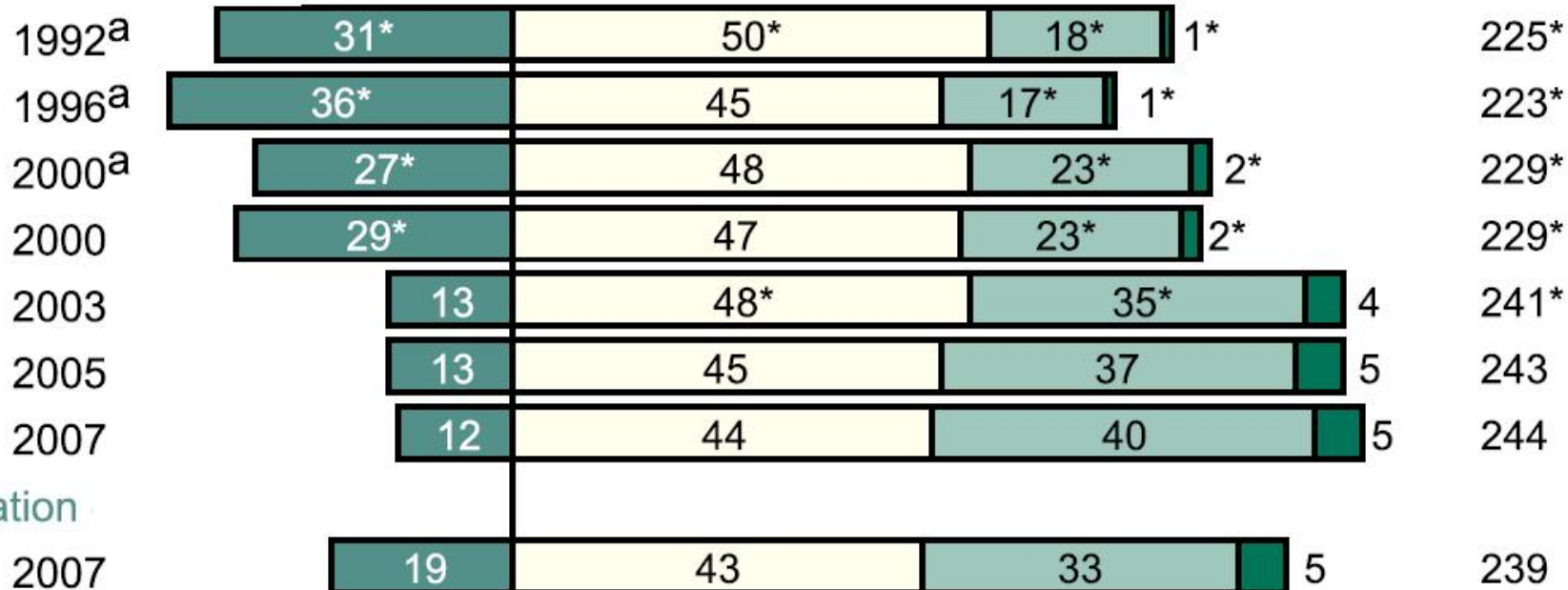
Grade 4, Mathematics



Percentages at NAEP Achievement Levels and Average Score

Wyoming

Average Score



Percent below *Basic* Percent at *Basic*, *Proficient*, and *Advanced*

Below *Basic*
 Basic
 Proficient
 Advanced

The NAEP grade 4 mathematics achievement levels correspond to the following scale points: Below *Basic*, 213 or lower; *Basic*, 214–248; *Proficient*, 249–281; *Advanced*, 282 or above.

^a Accommodations were not permitted for this assessment.

State/Jurisdiction

Avg.
score

Legend:

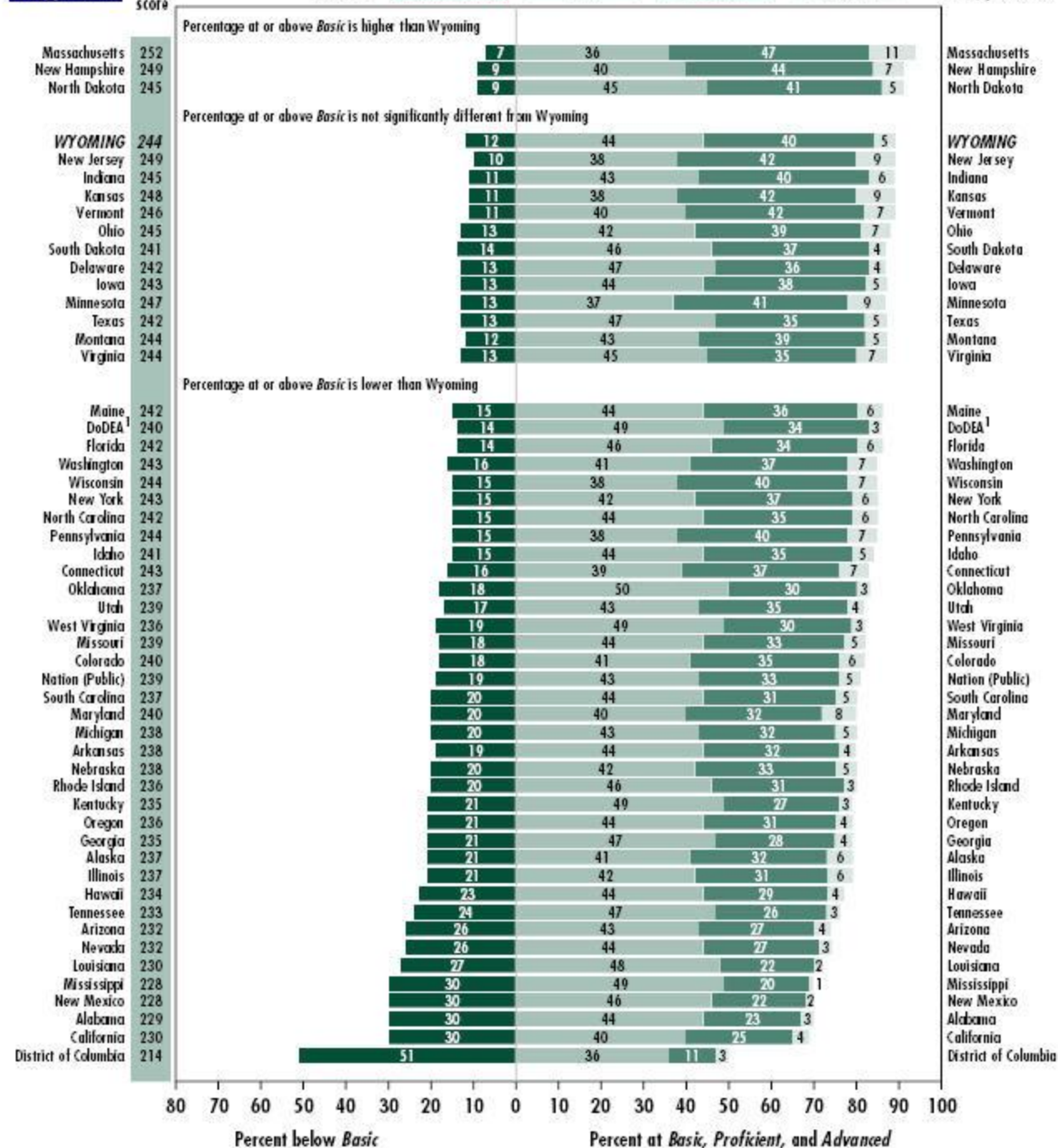
Below Basic

Basic

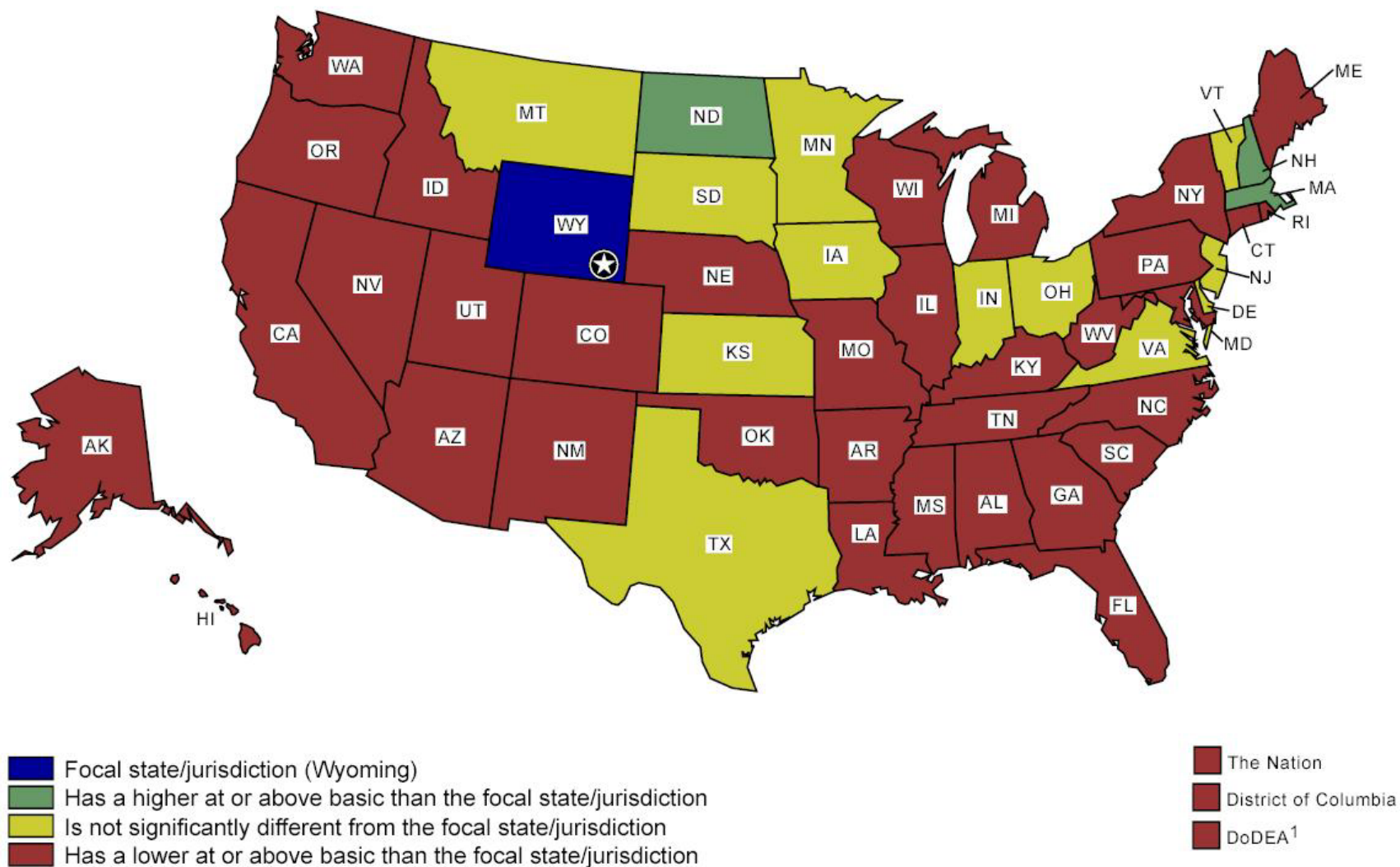
Proficient

Advanced

State/Jurisdiction



NAEP Mathematics Grade 4 - Mathematics
 Difference in Percentage at or above Basic Between Jurisdictions
 For All students [TOTAL] = All students 2007

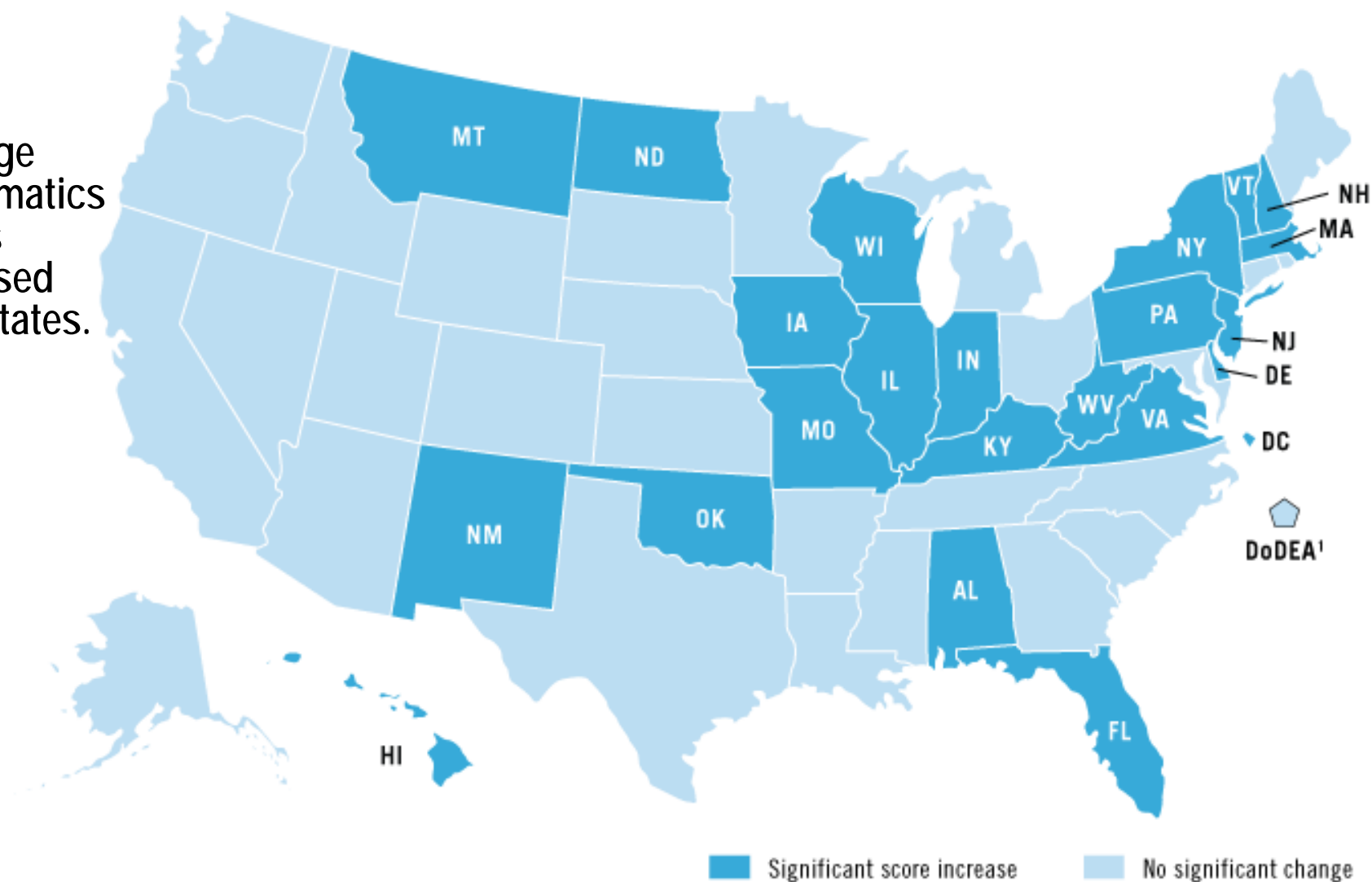


¹ Department of Defense Education Activity schools (domestic and overseas).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007 Mathematics Assessments.

Changes in Average Scores Between 2005 and 2007, Grade 4

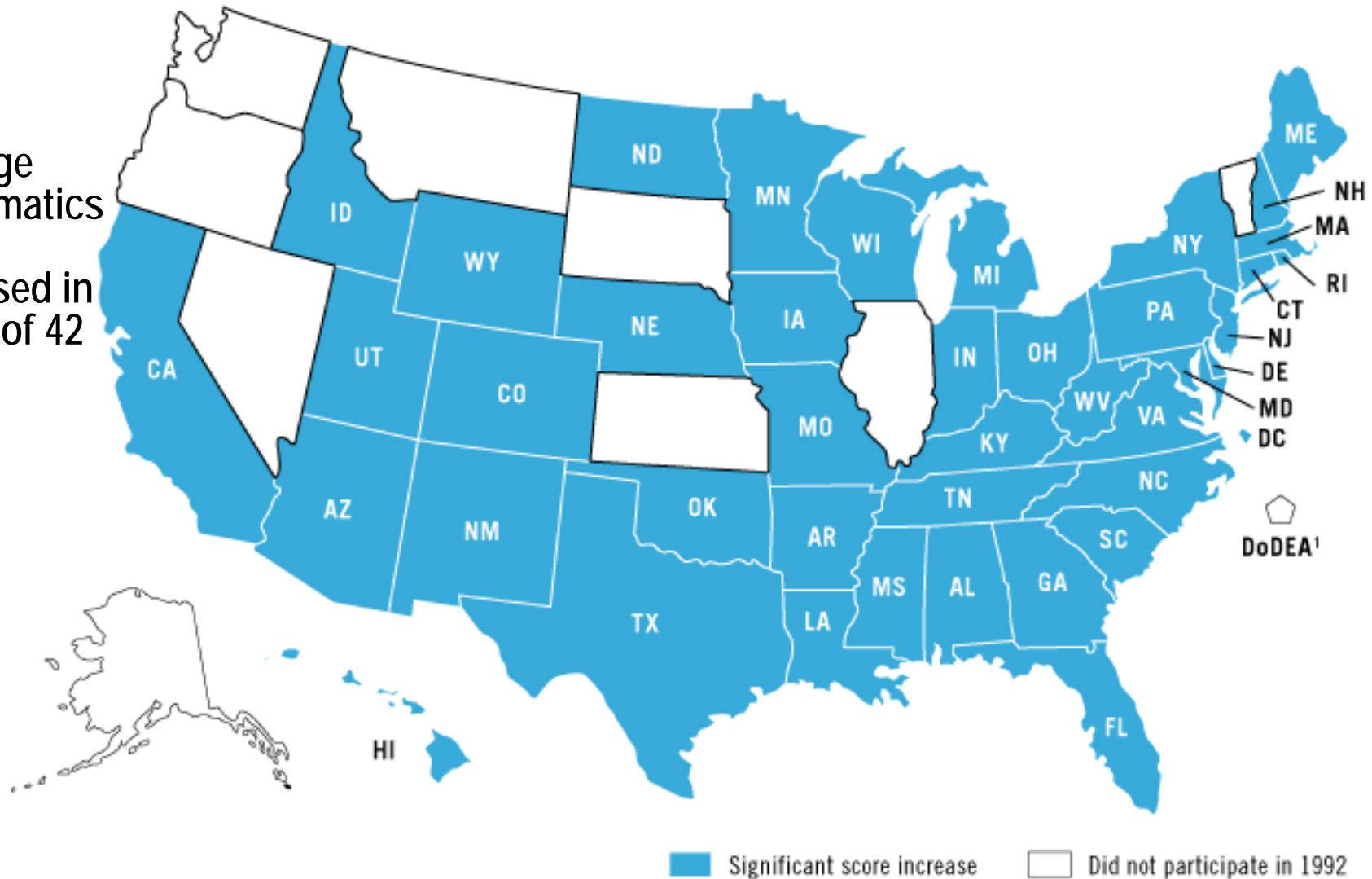
● Average mathematics scores increased in 23 states.



¹ Department of Defense Education Activity (overseas and domestic schools).

Changes in Average Scores Between 1992 and 2007, Grade 4

- Average mathematics scores increased in 42 out of 42 states.

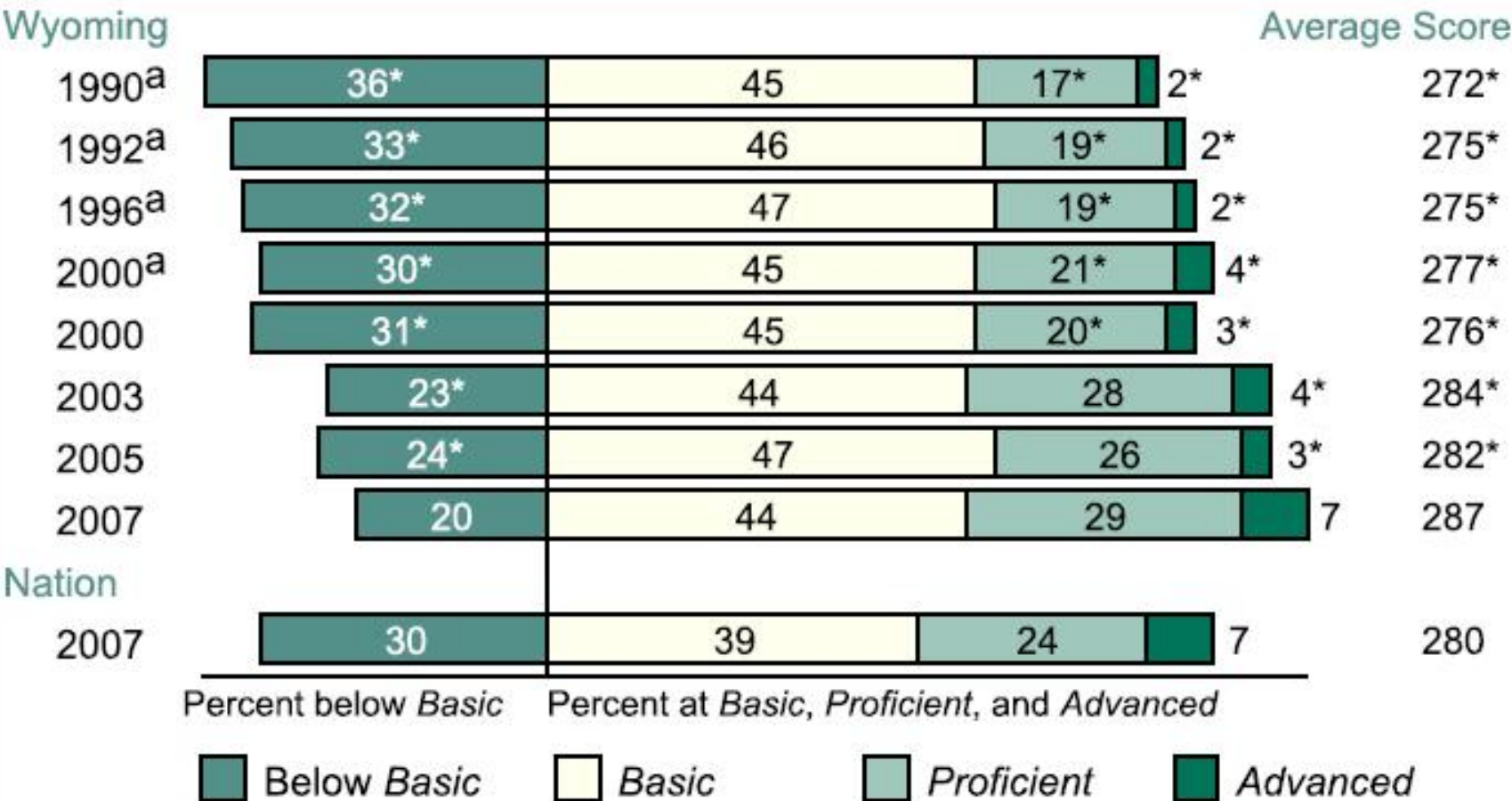


¹ Department of Defense Education Activity (overseas and domestic schools).

Grade 8, Mathematics



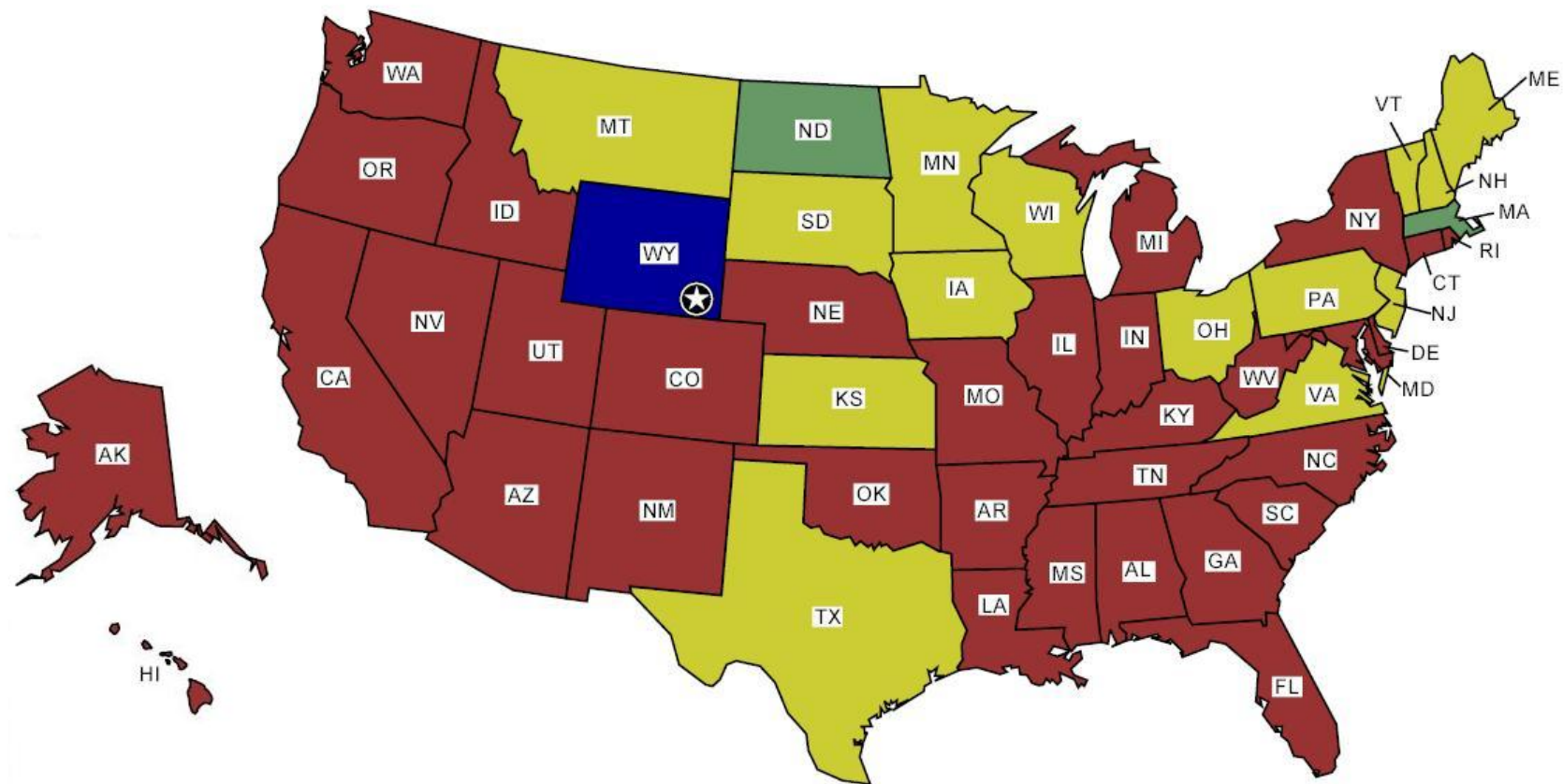
Percentages at NAEP Achievement Levels and Average Score



The NAEP grade 8 mathematics achievement levels correspond to the following scale points: Below *Basic*, 261 or lower; *Basic*, 262–298; *Proficient*, 299–332; *Advanced*, 333 or above.

^a Accommodations were not permitted for this assessment.

NAEP Mathematics Grade 8 - Mathematics
 Difference in Percentage at or above Basic Between Jurisdictions
 For All students [TOTAL] = All students 2007



- Focal state/jurisdiction (Wyoming)
- Has a higher at or above basic than the focal state/jurisdiction
- Is not significantly different from the focal state/jurisdiction
- Has a lower at or above basic than the focal state/jurisdiction

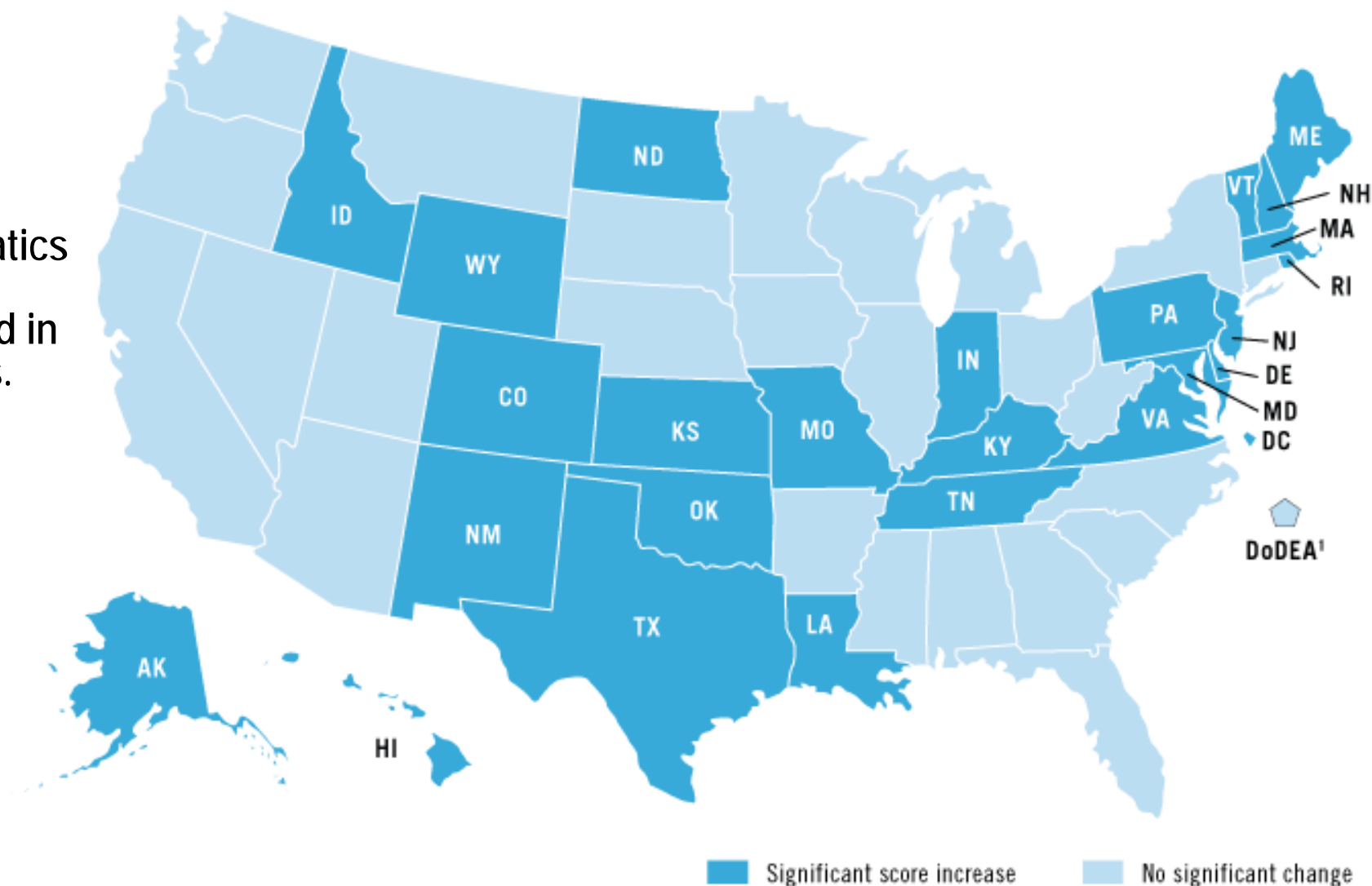
- The Nation
- District of Columbia
- DoDEA¹

¹ Department of Defense Education Activity schools (domestic and overseas).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007 Mathematics Assessments.

Changes in Average Scores Between 2005 and 2007, Grade 8

- Average mathematics scores increased in 26 states.

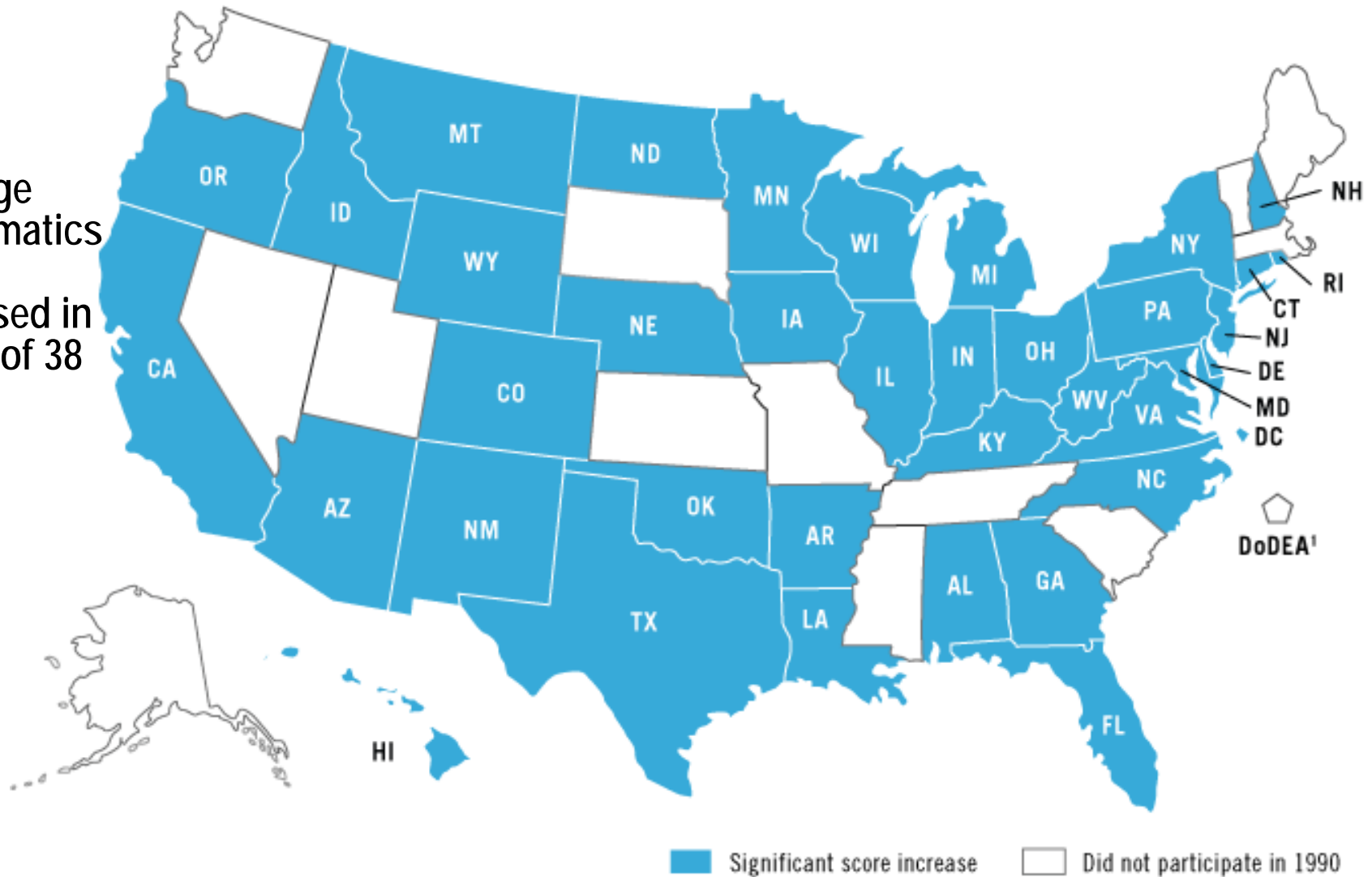


¹ Department of Defense Education Activity (overseas and domestic schools).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2005 and 2007 Mathematics Assessments.

Changes in Average Scores Between 1990 and 2007, Grade 8

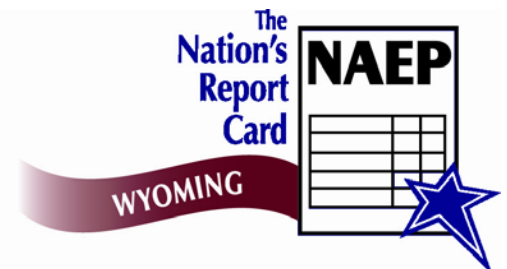
🍌 Average mathematics scores increased in 38 out of 38 states.



¹ Department of Defense Education Activity (overseas and domestic schools).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1990 and 2007 Mathematics Assessments.

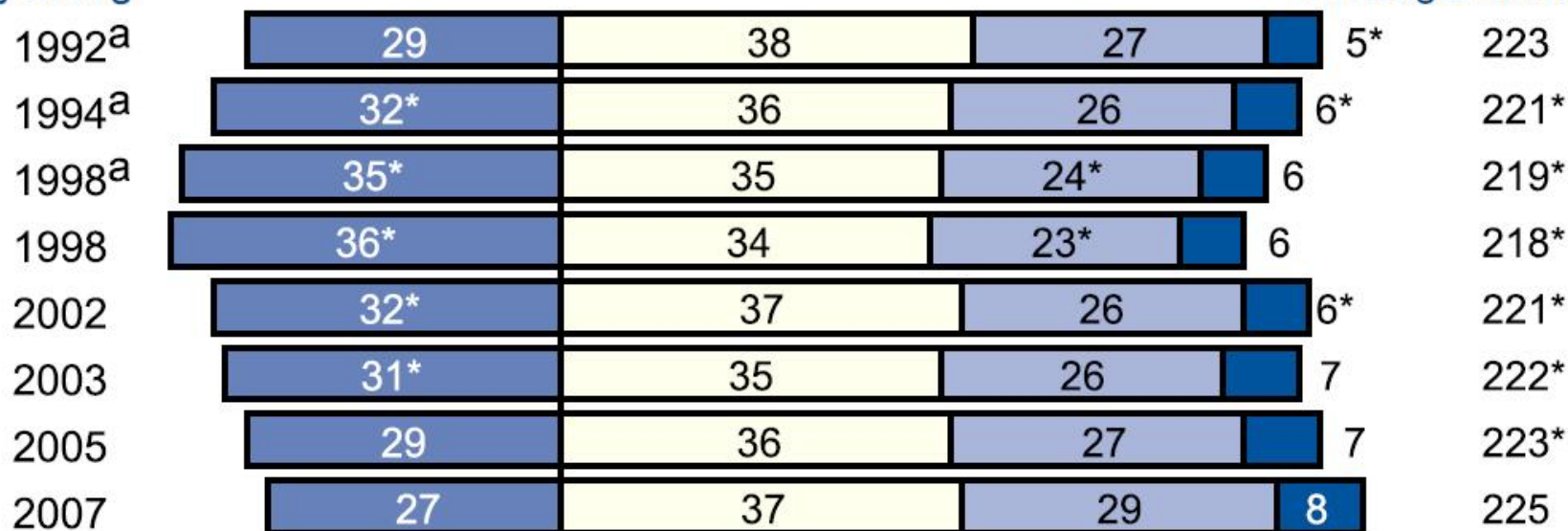
Grade 4, Reading



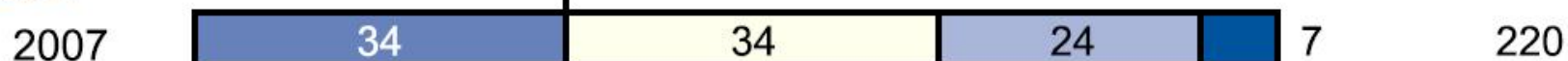
Percentages at NAEP Achievement Levels and Average Score

Wyoming

Average Score



Nation



Percent below *Basic* Percent at *Basic*, *Proficient*, and *Advanced*

Below *Basic*
 Basic
 Proficient
 Advanced

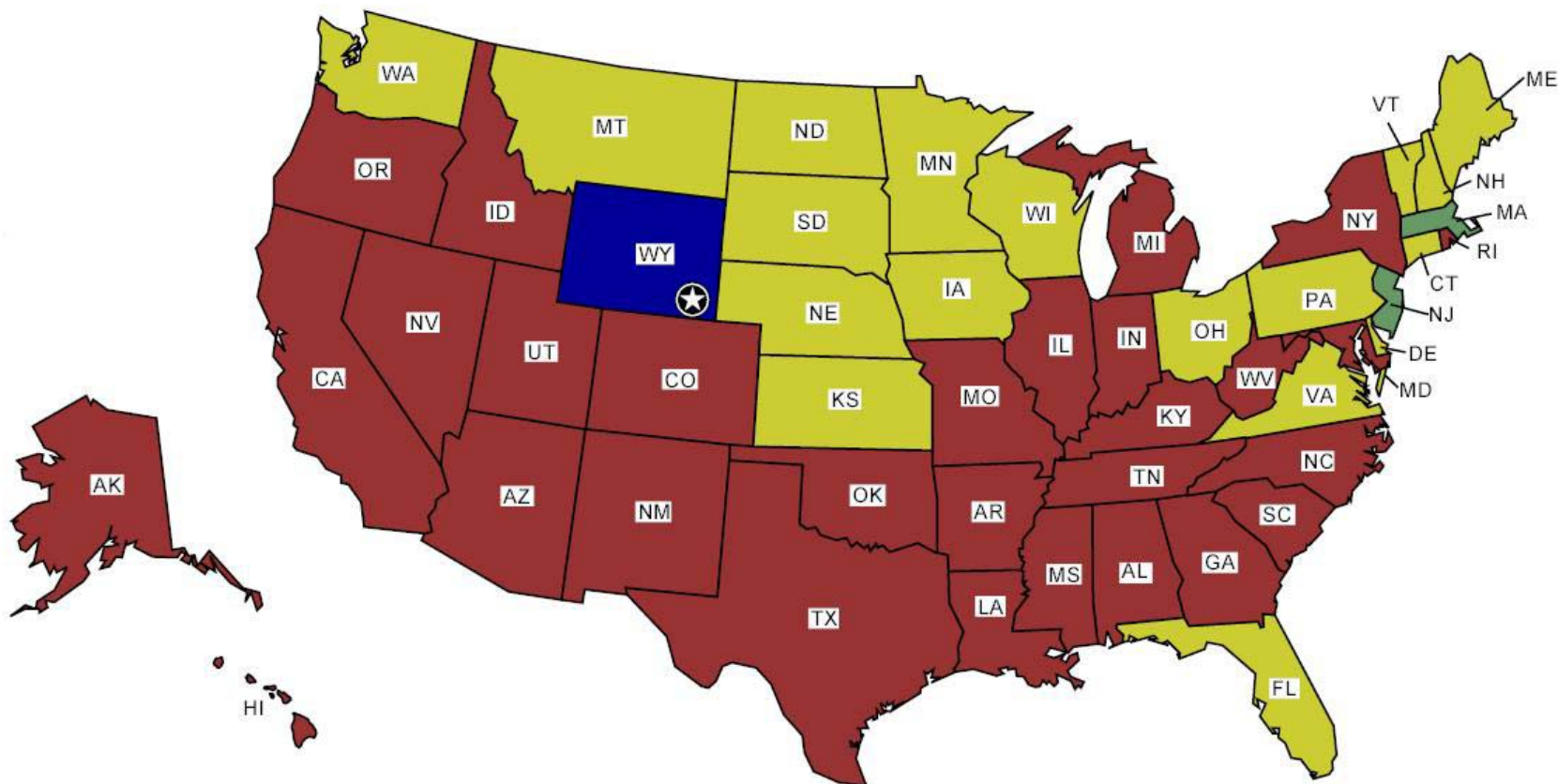
The NAEP grade 4 reading achievement levels correspond to the following scale points: Below *Basic*, 207 or lower; *Basic*, 208–237; *Proficient*, 238–267; *Advanced*, 268 or above.

^a Accommodations were not permitted for this assessment.

NAEP Reading Grade 4 2007

Difference in Percentage at or above Basic Between Jurisdictions

For All students [TOTAL] = All students



- Focal state/jurisdiction (Wyoming)
- Has a higher at or above basic than the focal state/jurisdiction
- Is not significantly different from the focal state/jurisdiction
- Has a lower at or above basic than the focal state/jurisdiction

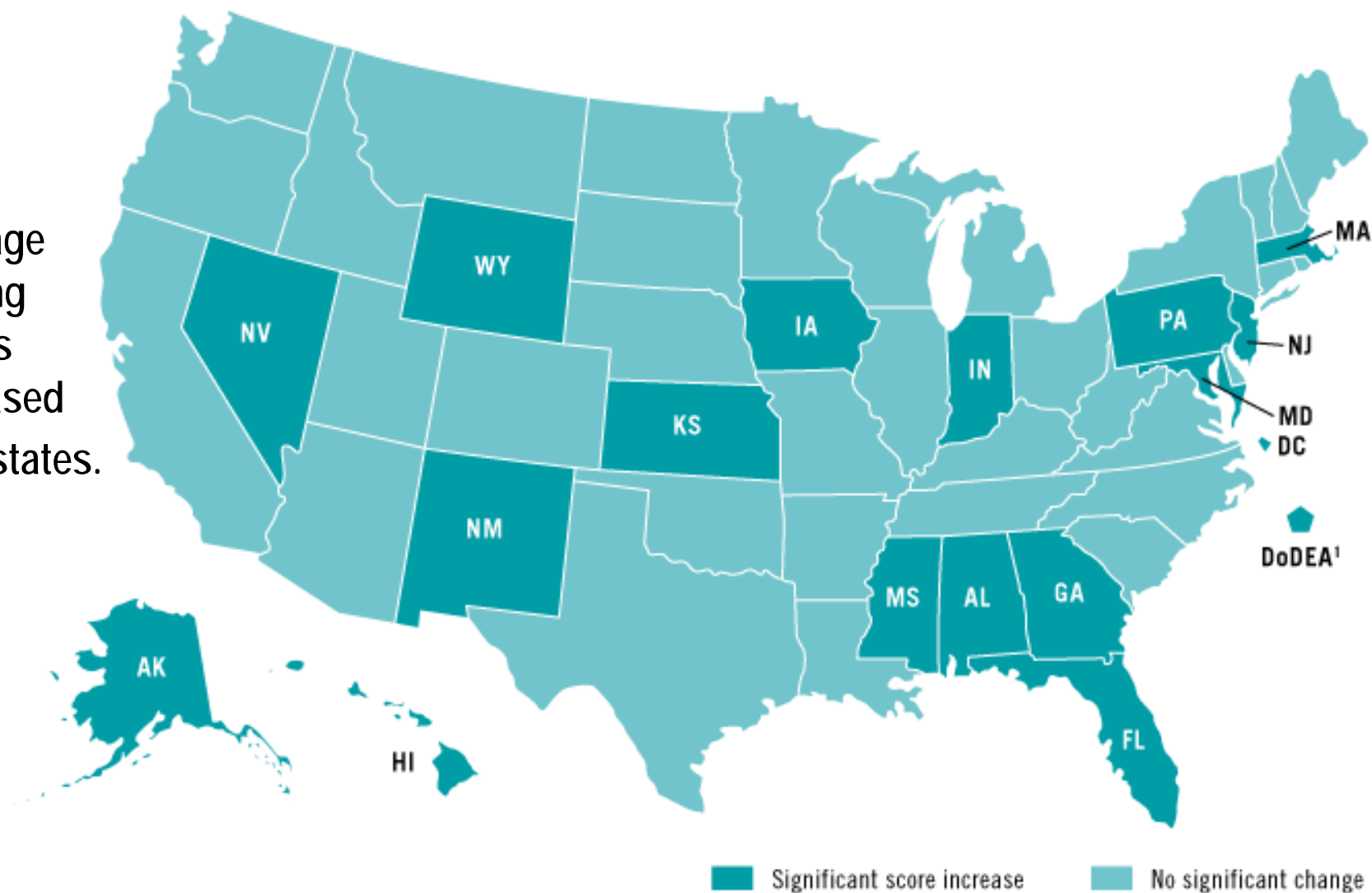
- The Nation
- District of Columbia
- DoDEA¹

¹ Department of Defense Education Activity schools (domestic and overseas).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007 Reading Assessments.

Changes in Average Scores Between 2005 and 2007, Grade 4

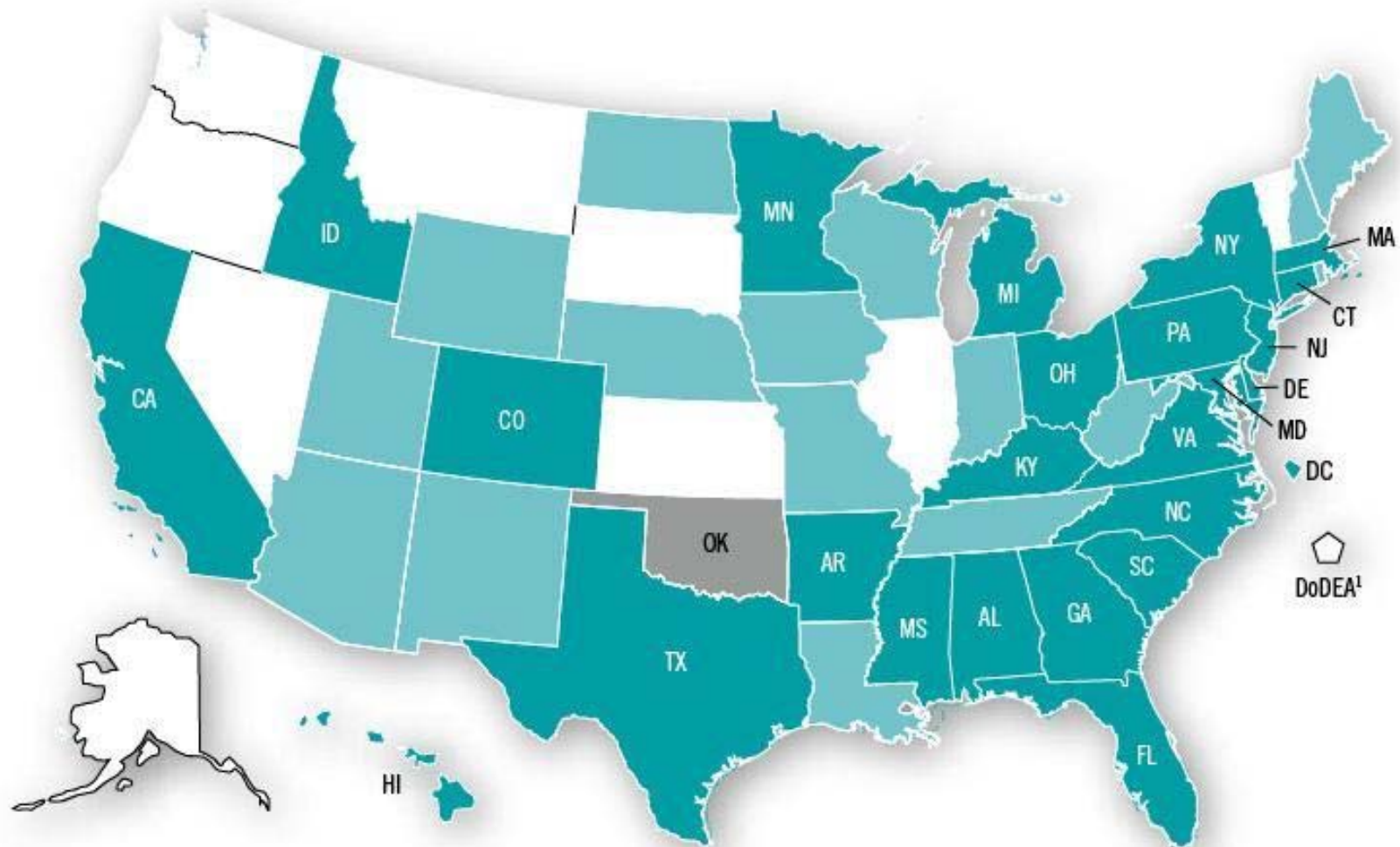
- 📊 Average reading scores increased in 18 states.



¹ Department of Defense Education Activity (overseas and domestic schools).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2005 and 2007 Reading Assessments.

Changes in fourth-grade NAEP reading average scores between 1992 and 2007



DoDEA¹

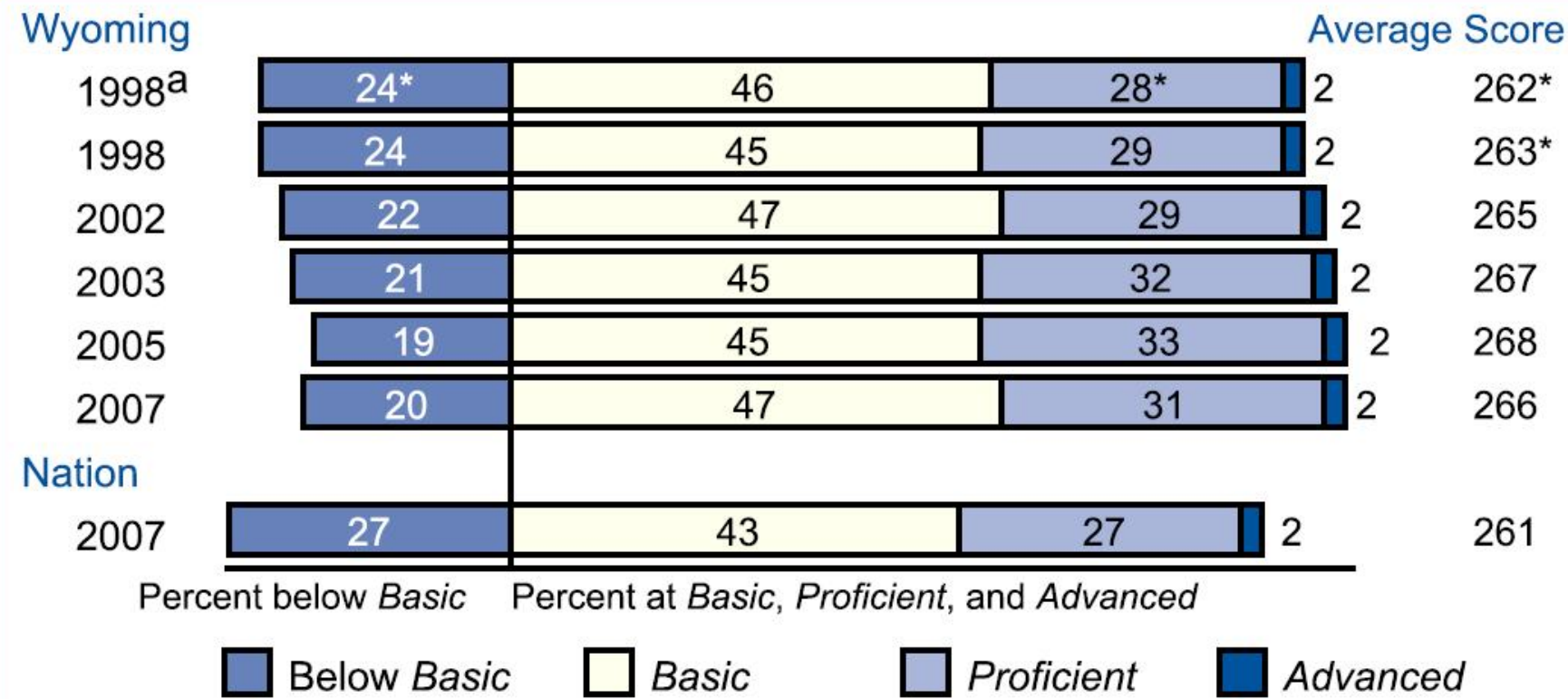
¹ Department of Defense Education Activity (overseas and domestic schools).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1992 and 2007 Reading Assessments.

Grade 8, Reading



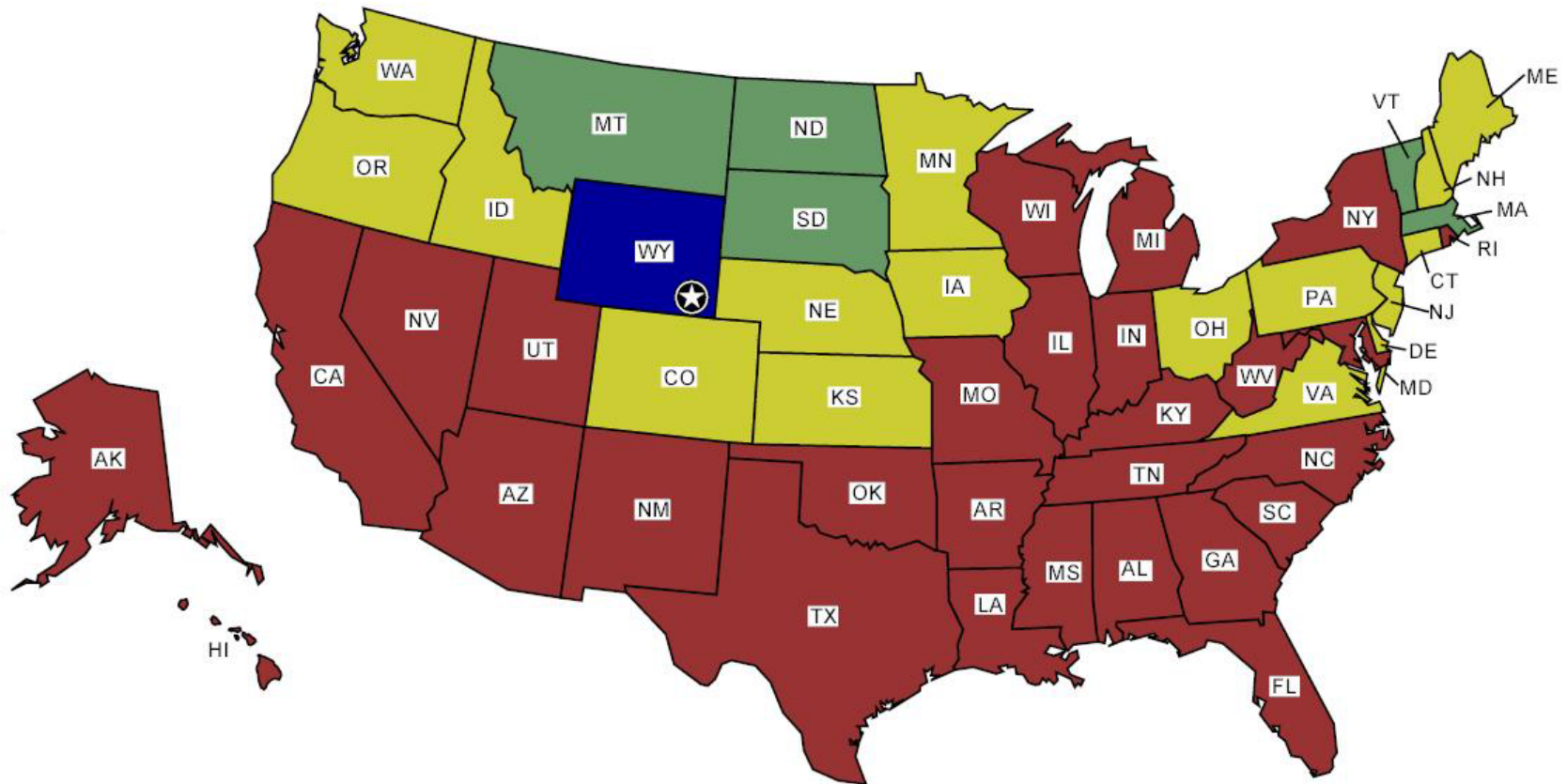
Percentages at NAEP Achievement Levels and Average Score






The NAEP grade 8 reading achievement levels correspond to the following scale points: *Below Basic*, 242 or lower; *Basic*, 243–280; *Proficient*, 281–322; *Advanced*, 323 or above.

^a Accommodations were not permitted for this assessment.

NAEP Reading Grade 8 - Reading
Difference in Percentage at or above Basic Between Jurisdictions
For All students [TOTAL] = All students 2007



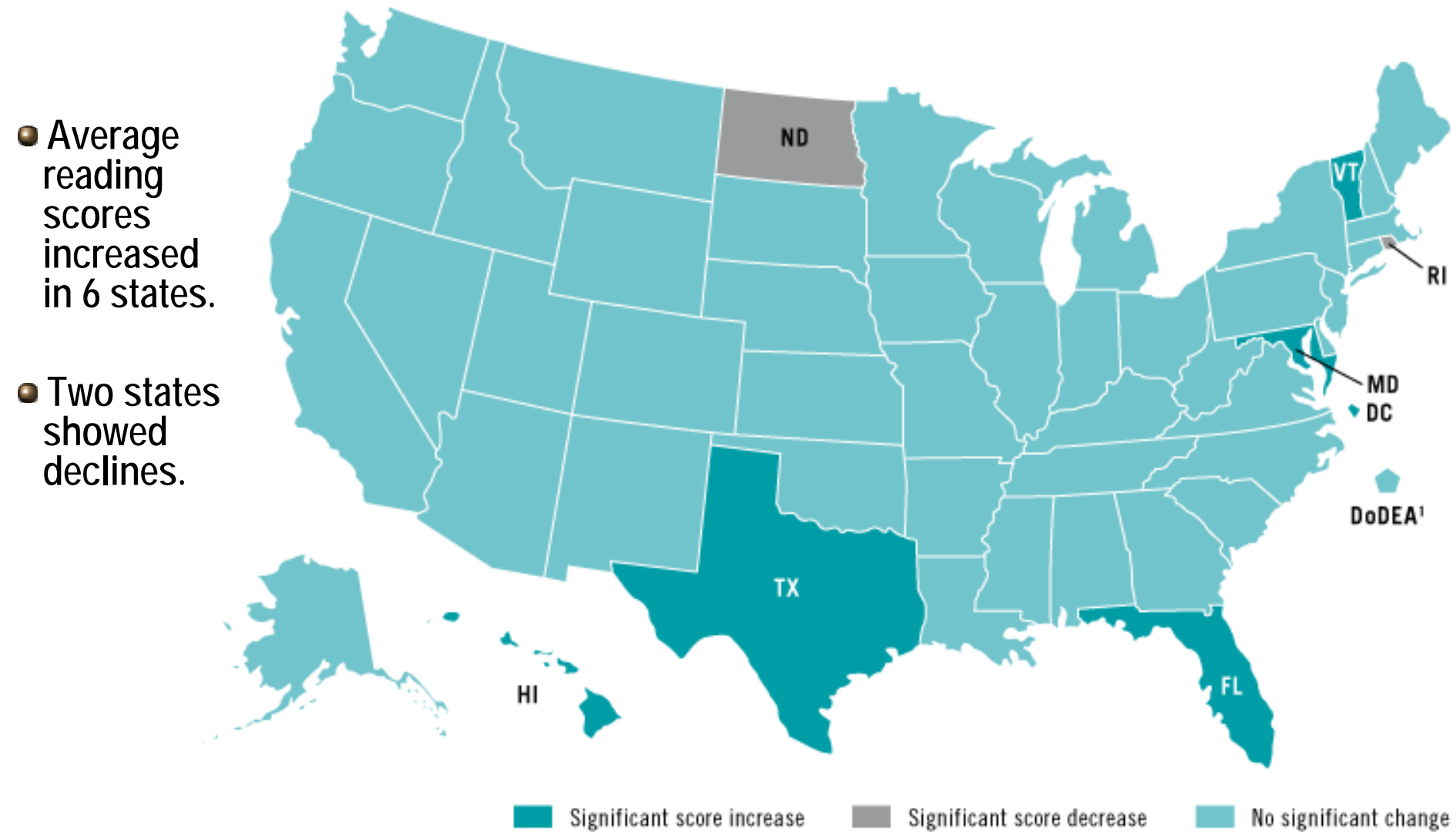
Focal state/jurisdiction (Wyoming)
 Has a higher at or above basic than the focal state/jurisdiction
 Is not significantly different from the focal state/jurisdiction
 Has a lower at or above basic than the focal state/jurisdiction

 The Nation
 District of Columbia
 DoDEA¹

¹ Department of Defense Education Activity schools (domestic and overseas).

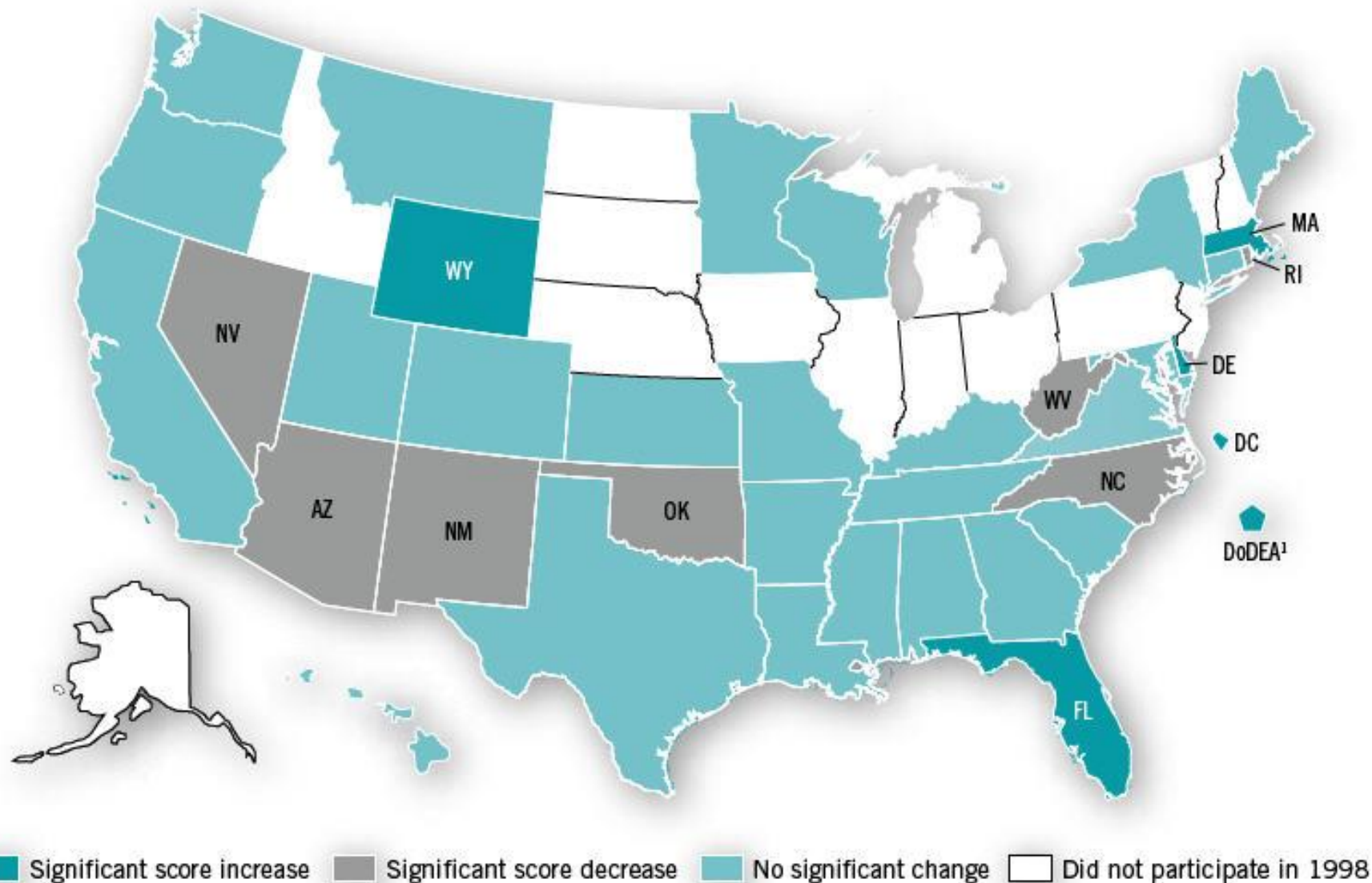
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007 Reading Assessments.

Changes in Average Scores Between 2005 and 2007, Grade 8



¹ Department of Defense Education Activity (overseas and domestic schools).

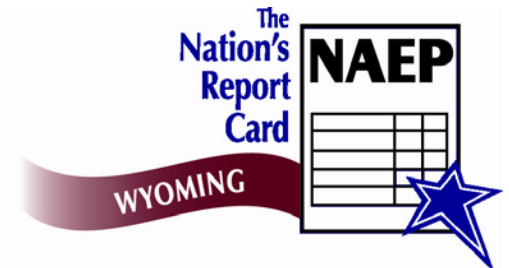
Changes in eighth-grade NAEP reading average scores between 1998 and 2007



¹ Department of Defense Education Activity (overseas and domestic schools).

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1998 and 2007 Reading Assessments.

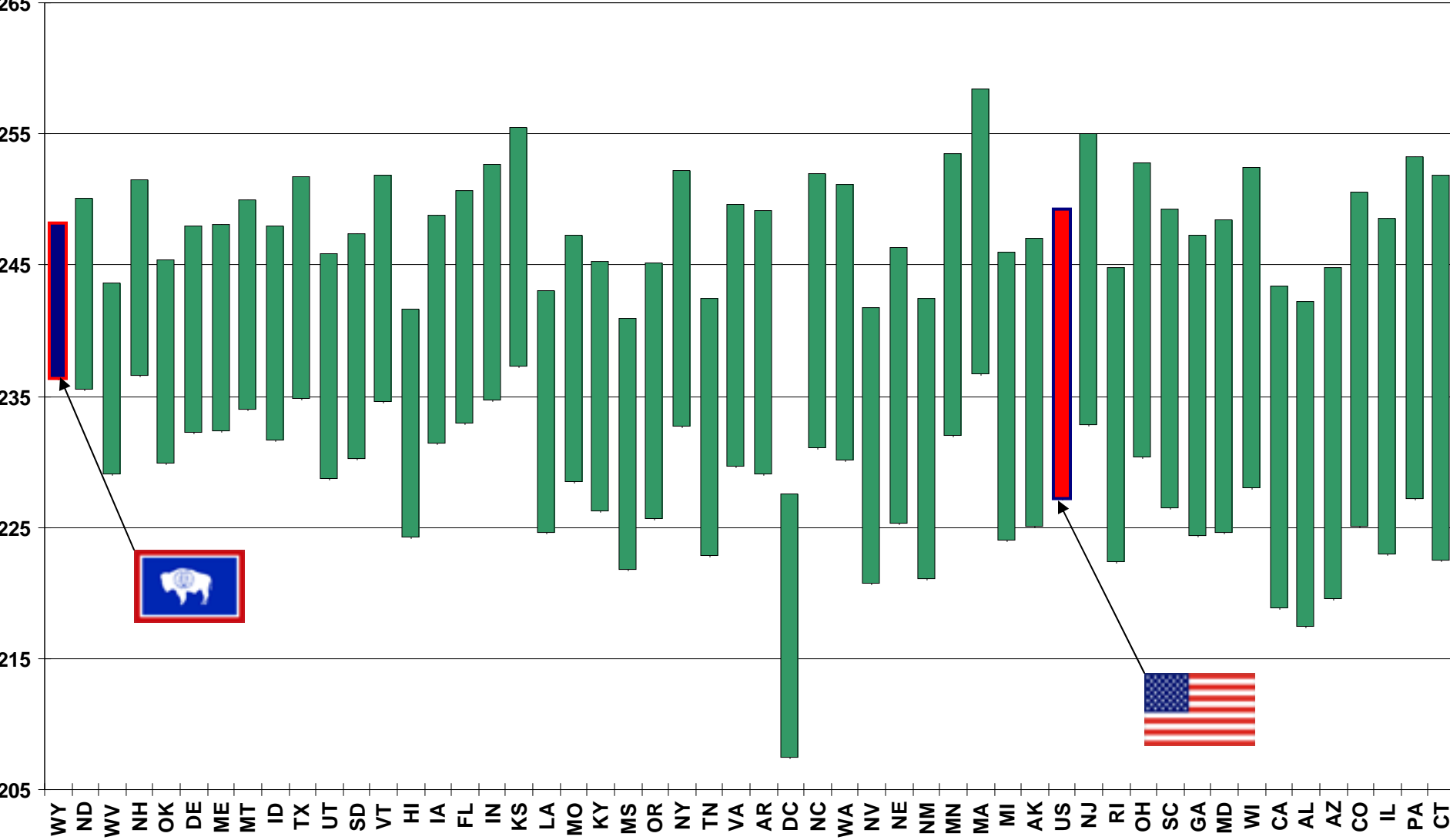
Gaps in Student Group Performance



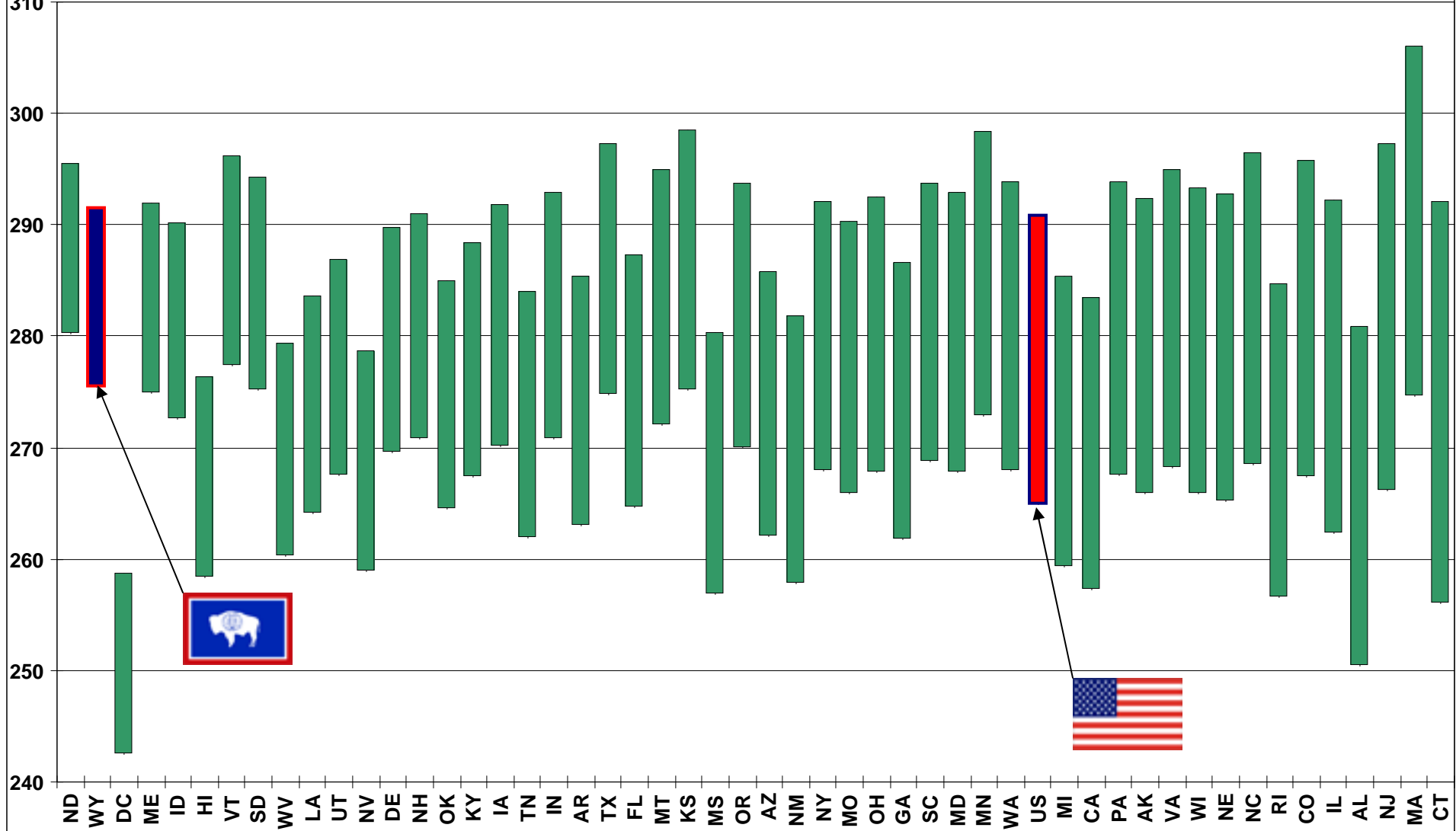
Student Group Gaps

- Gaps remain unchanged—did not widen, or narrow—in WY from the 2005 assessment
 - Whites and Hispanics
 - Whites and American Indians
 - Female and male students (in reading)
 - Non-school lunch eligible and free/reduced
- Gaps in Wyoming between free/reduced lunch and non-eligible students still among of the nation's smallest

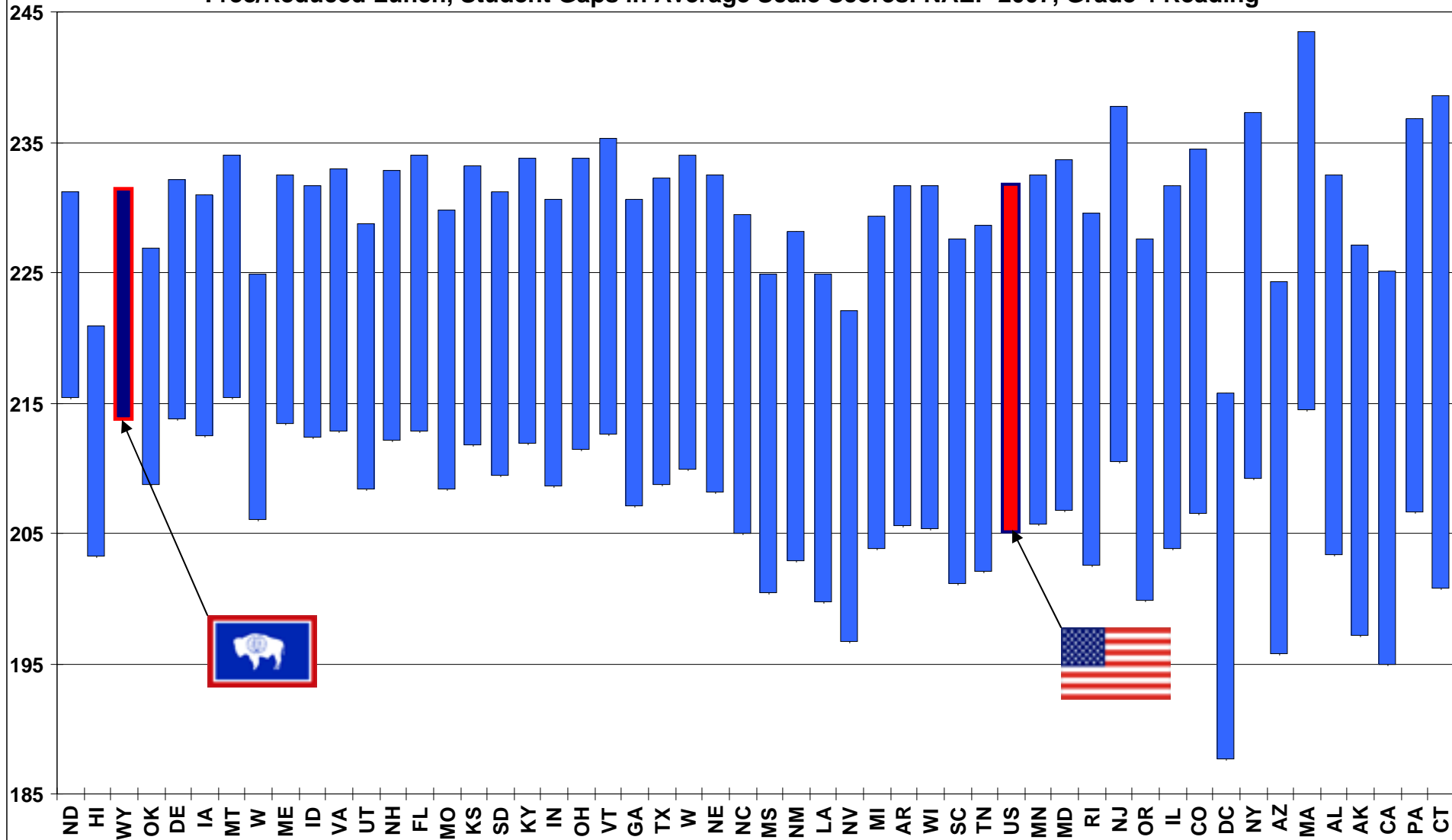
Free/Reduced Lunch, Student Gaps in Average Scale Scores: NAEP 2007, Grade 4 Mathematics



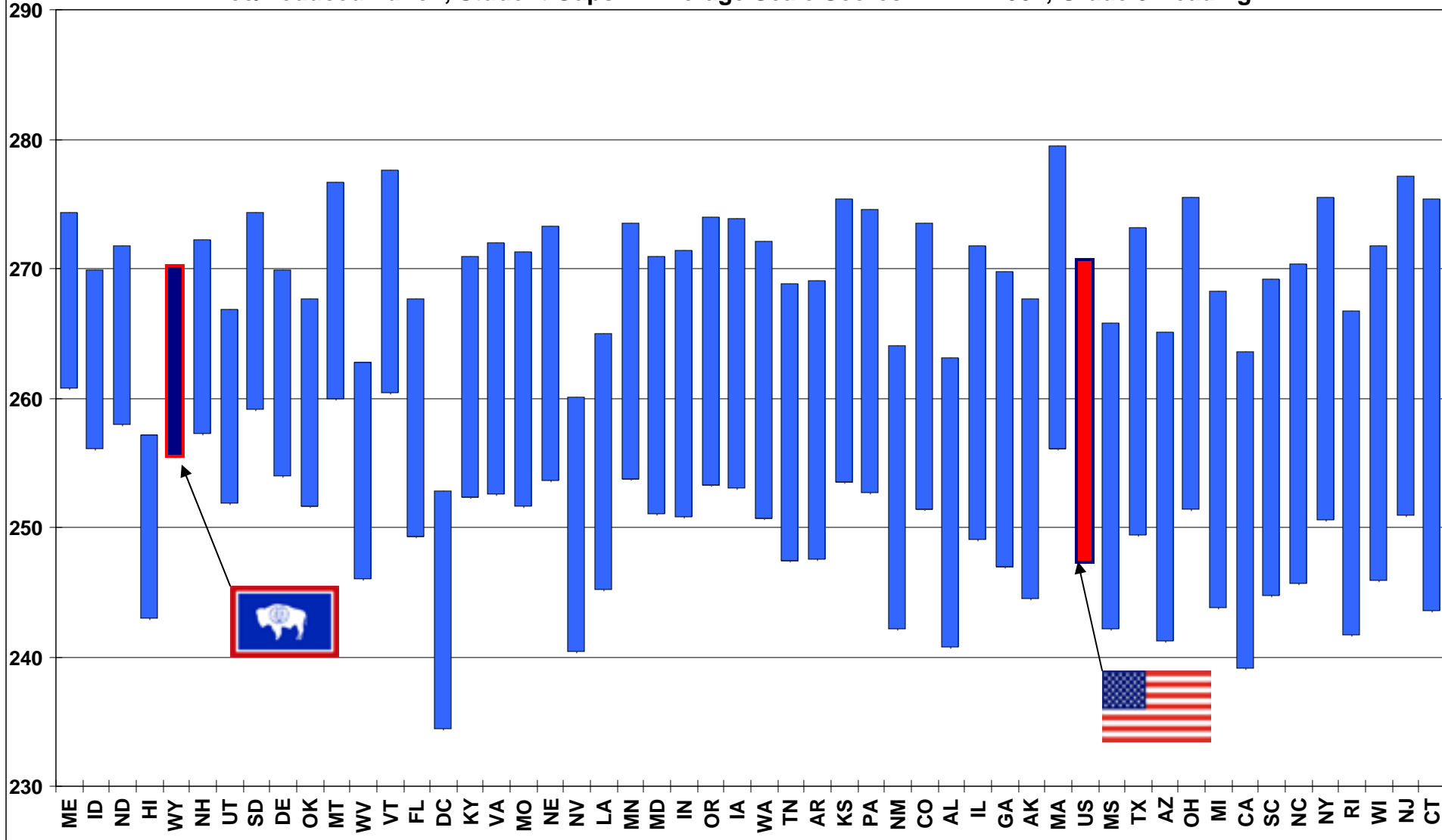
Free/Reduced Lunch, Student Gaps in Average Scale Scores: NAEP 2007, Grade 8 Mathematics



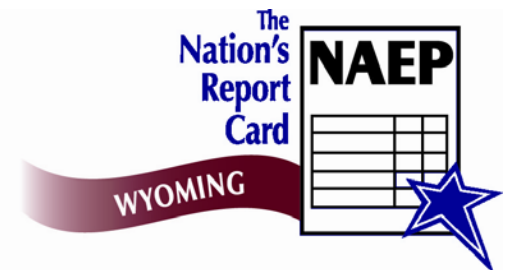
Free/Reduced Lunch, Student Gaps in Average Scale Scores: NAEP 2007, Grade 4 Reading



Free/Reduced Lunch, Student Gaps in Average Scale Scores: NAEP 2007, Grade 8 Reading



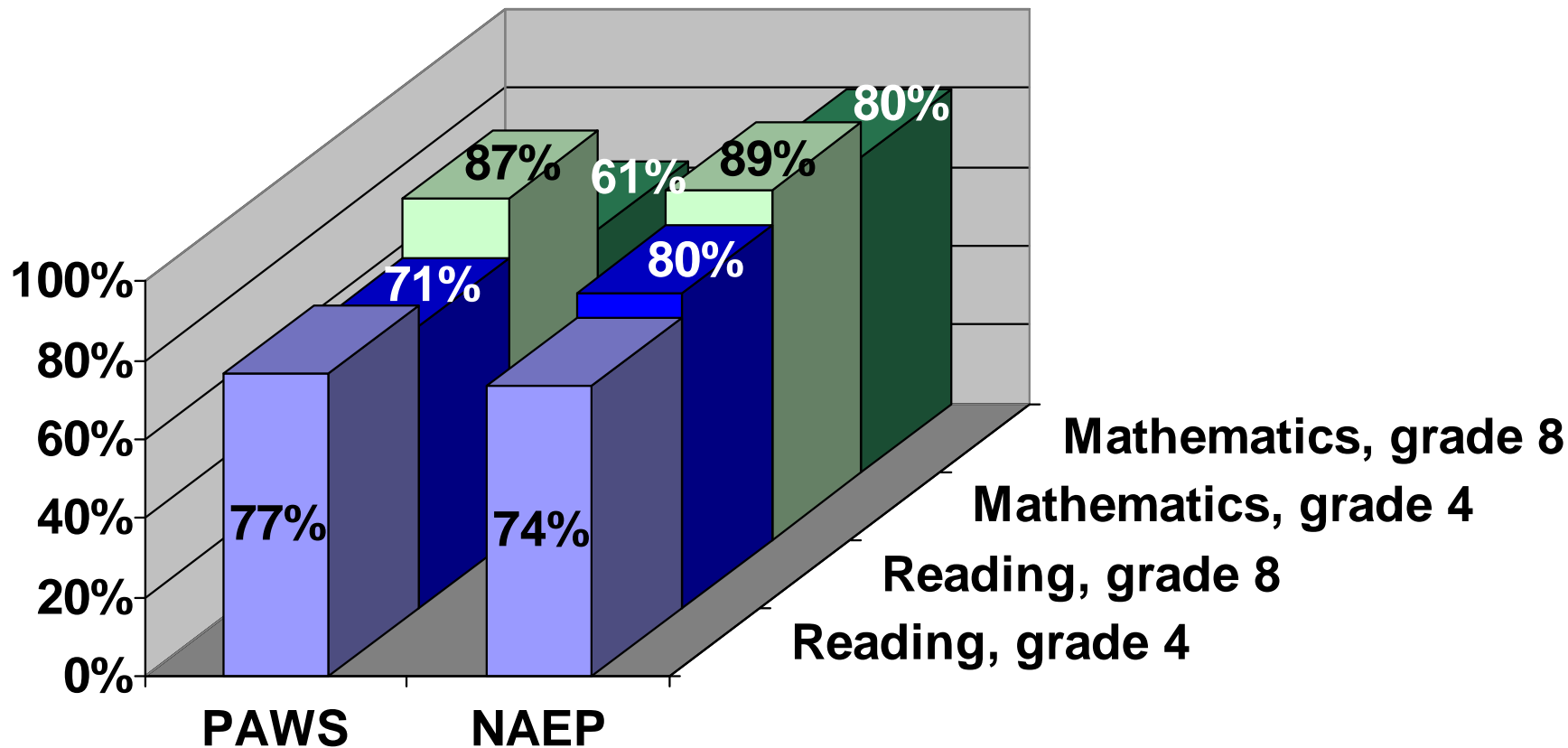
Comparing NAEP and State Assessments



Comparing NAEP & State Assessments

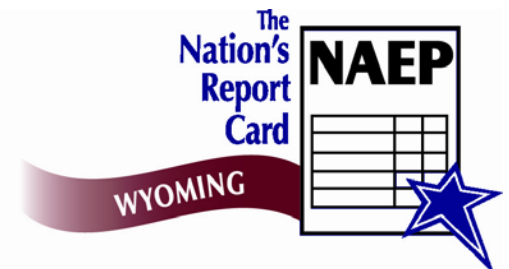
- Different Purpose
 - Measuring individual student achievement (PAWS)
 - Providing an external reference, point-of-comparison (NAEP)
- Different Content
 - Definition of construct (e.g., reading vs. language arts)
 - Composition of scales and subscales
 - Types of stimulus materials (e.g., reading passages)
- Different Formats/Procedures
 - Item type
 - Timing
- Different Reporting Metrics
 - Scales
 - Cut scores
- Different Inclusion Rates
 - State/district policies for SD/ELL students
 - Accommodations offered

Comparing 2007 Results in WY



PAWS → percent meeting WY standards; NAEP → percent *Basic* and above

Questions?



For additional information and
results, go to:

<http://nationsreportcard.gov/>

and

<http://www.k12.wy.us/SAA/NAEP>



The National Assessment of Educational Progress in Wyoming: Mathematics and Reading Results, 2007

